

Trukhin, P. M.

Boost in Labor Productivity in Coal Industry
Planned.

8 pp

UGOL', Moscow, No 6, June 1973, pp 2-5.

JPRS 59772

Gridin, G. S.

Ekibastuz Open Strip Mining.

8 pp

UGOL', Moscow, No 6, 1973, pp 5-9.

JPRS 59698

Kanlybayeva, Zh. M.

The Solution of Technical Problems at the
Karaganda Basin.

7 pp

UGOL', Moscow, No 6, June 1973, pp 10-13.

JPRS 59698

First Quarter 1973 Totals of Coal Industry
Published.

16 pp

UGOL', Moscow, No 7, July 1973, pp 65-69.

JPRS 59914

Coal Industry Zoning Conferences Held.

7 pp

UGOL', Moscow, No 8, 1973, pp 70-74.

JPRS 60158

Coal Industry Performance in First Half of 1973
Outlined.

12 pp

UGOL', Moscow, No 10, Oct 1973, pp 68-73.

JPRS 60728

Grafov, L. Ye.

Operations of Coal Industry in 1973, Tasks in
1974.

13 pp

UGOL', Moscow, No 1, Jan 1974, pp7-14.

JPRS 61657

Coal Industry, January -- September 1973.
10 pp

UGOL', Moscow, No 1, 1974, pp 70-73.

JPRS 61657

Report on All-Union Conference of Management
Personnel of the Coal Industry USSR.

10 pp

UGOL', Moscow, No 3, Mar 74, pp 3-8.

JPRS 62317

Restatement of Coal Industry Results for 1973.
12 pp

UGOL', Moscow, No 4, Apr 74, pp 71-75.

JPRS 62368

Belinkin, A. A.

Assessing Effect of Mining on Agricultural Lands.

5 pp

UGOI', Moscow, No 3, Mar 74, pp 45-46.

JPRS 62453

The Soviet Coal Industry in the First Quarter of
1974.
12 pp

UGOL', Moscow, No 7. Jul 74, pp 67-71.
JPRS 62859

Kolesov, O. A.

The Ukrainian Coal Industry in 1974.

6 pp

UGOL', Moscow, No 8, Aug 74, pp 10-13.

JPRS 63181

BRATCHENKO, B. F.

//0001//

--/10/1974, V-----, M-----, pp 0006--0017

Minister Describes USSR Coal Industry Management.

18 pp

JPRS 63639

+

UNCLASSIFIED

//UGOL//

--/10/1974, V-----, N-----, pp 0372-0377

Coal Industry in First Half of 1974 Surveyed.

10 pp

JPRS 69639

#

Kaganovich, B. L.

Improved Planning in Coal Industry Urged.

11 pp

UGOL' UKRAINY, Kiev, No 7, 1973, pp 1-5.

JPRS 60240

Ukraine's Coal Figures for First Quarter 1973
Published.

9 pp

UGOL'UKRAINY, Kiev, No 7, 1973, pp 52-54.

JPRS 60158

Fink, P.

The offset plate and the quality of the printed picture.

UGRA MITTEILUNGEN, n. 20, p. 459-469, 1970

TC-12764

P. NOVOTNY

Fluid-Bed Combustion of High-Sulphur Solid Fuels.
JHLI, Vol 13, No 7, pp 297-299, 1971.
NTC 72-15248-21B

Mar 73

Kudela, V.

Critical Evaluation of Rank Analyses of Coal
Mixtures.

UHLI, 1972, Vol.20, No.8, pp.833-836.

BISI 11737

Pre-Stressed Concrete Sleepers, by Kutasy Lajos.
UJ PROGRESSZIV FESZITETT BETONALJ ACEL ALATETLEMEZ
NELKULT SINLEEROSITESSEL, 1968, pp 27-42.
*USDOT/FRA
Available at NTIS TT 73-55097

Apr 73

Parragh, Gabor

Problems of Patenting Microbiology-Related
Inventions Discussed, 12 pp.

UJITOK LAPJA, Budapest, No 22, 21 Nov 73,
pp 7-9.

JPRS 60949

Jan 74

Instructions for calculating the atmospheric dispersal
of noxious substances (dust and sulfur dioxide)
present in industrial emissions - SN 369-67

UKAZANIYA KO RASCHETU RASSELIVANIYA V ATMOSFERE
VREDNYKH VESCHESTV (PYLI I SERNISTOGO GAZA)

SODERZHASCHIESYA V VYBROSAKH PROMYSHLENNYKH PREDPRI-
YATIY SN 369-67 Gidrometeorologicheskoe izdatelstvo.

Leningrad, 1967

Available on loan NTC 73-12800-04B

Kiev Aktiv Urged to Intensify Ideological-
Political Work, 9 pp.
UKRAINIAN, radio, Kiev Radio, 0800 GMT, 17 Mar
1973.
JPRS 58632

Apr 73

RUSSIAN

CSO: 8344/0528
19 Sep 74

45081 20 pp
Program of the 19th Ukrainian republic scientific-
technical conference dedicated to the day of radio.

Kiev, XIX Ukrainskaya respublikanskaya nauchno-
tekhnicheskaya konferentsiya, posvyashchennaya
dnyu radio, 1969, pp 1-45.

Please publish as a GUO report.

RUSSIAN

CSO: 8344/0527

19 Sep 74

JPRS
L-5113 53/p

Program of the 20th Ukrainian republic scientific technical conference dedicated to the 75th anniversary of the invention of radio.

Kiev, Ukrainakan rapublikanskaya nauchno-tehnicheskaya konferentsiya, posvyashchennaya 75-letiyu so dnya izobreteniya radio 6-8 Iyulya 1970g. programma, 1970, pp 1-61.

Please publish as a GUO Report.

Martinshev, S. R.

GMP-Synthetic Reaction in E. Coli

UKRAINSKI BIOKHIMICHESKI ZHURNAL, v. 37, n. 5,

1965, pp. 751-760

NTC 72-12939-06A

Unc1 (RFP-Trans--141) 21-Jan-74
migration of uranium. Regularities in the biogenic
I.E. Translated from KOVAL'SKII, V.V.; VOROTNITSKAYA,
419-424(1966). 7p. Dep. NTIS \$3.00. Ukr. Biokhim. Zh.: 38: No. 4,

02 botany; environmental studies; 8G geology; 06R health
and safety; 06R radiobiology; translations
MN-11 P NSA

Shebeko, G.S.

The effect of adrenaline and adrenoxyol on the content of the acylation coenzyme in some organs of white rats.

UKRAINSKYI BIOKHEMICHESKYI ZHURNAL, Vol. 42, n. 5, 1970, p. 594-598

NRC C-11899

Leikin, Yu. N.

Interrelation of processes of oxidative phosphorylation and of the transport of Ca^{2+} ions in mitochondria.

UKRAINSKII BIOKHEMICNYI ZHURNAL, Vol. 43, n. 1, 1971, p. 88-97

NTC 73-11503-06A

RUSSIAN

SPRS -
62462CSO: 8344/1784
23 March 1974

See attached sheet

Do not publish first [Ukrainian] article → type B

Please publish and include reproductions if possible.

Please provide JTRC/Ad Hoc with copy of report and

T/Dr 15 April 1974

UKRAYNS'KIY EKONOMICHNIY ZHURNAL
No 4, 1972, pp 483-486

Karitsky, I. V.

Adenosine and its biochemical functions.

KRATSKIY BIOKHIMICHESKIY JOURNAL, Vol 44, 1978, pp 663-676

PC 74-10860-08A

The Effects of Low Frequency Electromagnetic Field
Pulses on Skeletal Muscle Metabolism in the Rat.
8 pp

UKRAYINS' KYI BIOKHEMICHNYI ZHURNAL, Kiev, No 3,
1973, pp 356-361.
JPRS 62462

Changes in Metabolism of Nitrogenous Substances in
Animal Nerve Tissue Subjected to an Electromagnetic
Field of Ultrahigh Frequency.
5 pp

UKRAINS'KYI BIOKHEMICHNYI ZHURNAL, Kiev, No 4,
1972, pp 483-486.
JPRS 62462

BRATUS', V. M.

//UFR. BOT. ZH.//

--/--/1956, V0023, N0004,

Some Data on the Biology of *Fomitopsis Annosum*

pp 96-103, Listed on Microfilm as in Process:

CANCEL@@

Kondrat'eva, N.Y. 1967
"Explosive" cell destruction of the plankton anabaena species
(*"vibukhopodibne"* ruinyvaniya klitin planktonnykh vidiv
anaben)
Ukrainskii botanicheskii zhurnal, 24(3): 66-73. In Russian.
Transl. for NLL, 12p., processed. Avail. NLL as RTS 4668.
Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *R*

Bronsht, B.D.

1967

On the measuring units of the basic parameters characterizing
algae culture (Pro edynitsi vybiru osnovnykh parametrov,
sheho kharakterizuyut kul'turu vodorostei)
Ukrainskii botanicheskii zhurnal, 24(3): 96-99. In Russian.

Transl. for NLL, 4p., processed. Avail. NLL as NTS 4669.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *R*

Kondrat'eva, N.V., et al.

1969
Methods of investigation of linear cellular dimensions of
plankton species Microcystis Kuetz (Do metodiki doelidzhennya
liniinikh rozmiriv klitin planktonnikh vidiv Microcystis
Kuetz)
Ukrainskii botanicheskii zhurnal, 25(5): 71-76. In Russian.

Transl. for NLL, 10p., processed. Avail. NLL as RTS 5798.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *MR*

Velichko, I. M.

Application of Regression Analysis to the Study of
Growth of Algae in a Culture

UKRAINSKYI BOTANICHNYI ZHURNAL, v. 28, n. 4, 1971,

pp. 528-533

NTC 73-12803-06C

NLL RTS 7512

Nasyuk, N. P.

On the Taxonomy of the Genus *Dunaliella* Teod. Part II
Investigation of Productivity of *Dunaliella* Salina Teod.
Strains

UKRAINSKYI BOTANICHNYI ZHURNAL, v. 28, n. 5, 1971,

pp. 595-602

NTC 73-12801-06C

NLL RTS 7514

Prishchepova, L. B.

The Nitrogen-fixing blue-green Algae of the rice-field Soils and Ephemeral Lakes of the southern Ukraine

UKRAINSKYI BOTANICHESKYI ZHURNAL, v. 28, n. 6, 1971,

pp. 753-758

NTC 73-13013-06C

NLL RTS 7513

Shnyulova, E.I.

The effects of exogenic sugars on the growth
and content of polysaccharide fractions in
cultures of microcystis aeruginose kuetz.
emend. elenk.

UKRAINSKII BOTANICHESKII ZHURNAL, 1972, pp
148-152, v. 29, n. 2.

NTC 73-12197-06A

NLL RTS 7583

Palamar-Mordvintseva, L.I., and
V.V. Stupina

1972

Effect of the supernatant fluid of an *Akkimbrodskaya*
bacterial growth culture on the development of some wild
species of algae in effluent from the Chernigov chemical
fiber plant
Sovetskii botanicheskii zhurnal, (31): 24-299. in Russian.

Abstract transl. by IBC, June 1973, pp. 1 in 928. "USSR
and East Europe Science Abstracts" (biol. ed.)
1973, processed. Avail. also as IBC Transl. no. 59328,
price \$8.00.

Avail. on loan - IBC, Wash., D.C.

Tsyutayeva, D.I.

Some Electrical Properties of Semiconductors
of the System $HgTe-CdTe$ Heated in Mercury va-
pors.

UKR. FIZ. ZH., Vol. 10, No. 2, pp. 228-9, 1965.

A.T.S. UJ-4730

Lashkar'ov, G.V.

Electrical Properties of Pr_2Se_3 and Nd_2Se_3 .
UKR. FIZ. ZH., Vol.10, No.5, pp.566-8, 1966.
A.T.S UJ-4729

Karal'nik, S.M. et al

An X-Ray Spectral Study of Selenium in Various
Modifications.

UKR. FIZ. ZH. Vol.10, No.6, pp.668-71, 1965.

A.T.S UJ-4712

Ykovenko, V. M.

Contribution to the Theory of Overheating
Instability in Semiconductor Plasma.

UKR. FIZ. ZH. Vol. 13, No. 9, pp.1489-92.
1968.

A.T.S. RJ-5246

Chekin, V.V.

Study of the phase transition in SnTe by the
Mossbauer effect.

UKRAINSKIY FIZICHESKIY ZHURNAL, Vol.14, No.1,

pp.102-105, 1969.

APL/JHU T-2025

Agency: NBS

P.O. no.: 3-411-21

9444/080.7
(14 SEPT. 73)

Title: The Knight shift for hydrogen absorbed by palladium

Authors: I. Ya. Dekhtyar, V.I. Shevchenko, R.G. Fedchenko

Source: Ukrainskii fizicheskikh zhurnal: 14, no.1, 1969.

Language: Russian

pp. 145-150

6 p.

Special instructions: Please translate and type one copy only

VYKHODETS, V.B.
//UKR. FIZ. JOURNAL//
--/--/1970,V0005,N----
Hydrogen Diffusion and Solubility in Ordering Alloys
of Cu₃Au Type,
PP 106-110, *NTIS-TT-74-5800400

27-Aug-73

Uncl (LIB/Trans--491) γ spectrum generated during the
capture of thermal neutrons by nuclei of ^{70}Zn ^{72}Zn ^{74}Ge .
PARCHUK, I.F.; HAZAVOV, D.A.; BELYKH, G.V.; GOLYSHKIN,
V.I.; MURZIN, A.V.; OGORODNIK, A.F. Translated from
Ukr. Fiz. Zh. (Russ. Ed.); 15: No. 2, 245-250(1970).
8p. Dep. NTIS (U.S. Sales Only) \$3.00.

20H physics (nuclear); translations
MN-34c NP NSA

Egorenkov, V. D.

Stability of a finite-pressure plasma with an
anisotropic electron-velocity distribution.
UKRAINSKII FIZICHESKII ZHURNAL. (RUSSIAN EDITION.)
Vol 15, p. 325-330, 1970.
NTC 73-10688-20I

may 73

11-May-73
Uncl^{AE2} (BNL-tr--533) Equilibrium of negative ions in
high-intensity plasma source. GABOVICH, M.D.; NAIDA,
A.P.; ISAEV, F.M. Translated by S.J. Amoretty from Ukr.
Fiz. Zh. (Russ. Ed.); 15: No. 4, 667-671(1970). 11p.
Dep. NTIS \$3.00.

201 physics (plasma); translations
MN-34 P NSA

1970, 1970
Calculation of Probability of Transition from
Diatonic Molecular Dissociation States 21 pp
UKRAINSKIY FIZICHESKIY ZH. Vol 15, No 6, 1970
pp 1000-1013
FSTC-HT-23-1147-73

RUSSIAN

*Comp 4/8/73*CSO: 8144/2061 W
11 April 1973 SF

1. Photoluminescence of Silicon Carbide during its irradiation by the light of a ruby laser, by I.S. Gorban, V.A. Subanov et al.
2. Radiation type centers developing on the anhydrous surface of germanium during bombardment with low-energy net ions, by V.G. Litovchenio, V.S. Lysenko, et al.

Kiev, Ukrainskiy Fizicheskiy Zhurnal, Tom XV, No. 8, 1971, pp 1363-1366.

Ad hoc

Special type B

Do not publish

Original plus two (2) copies.

Vishnevetskii, V. N.

Containment of an ohmic-heating plasma in the urgan
high-shear stellarator.

UKRAINSKII FIZICHNII ZHURNAL (UKRAINIAN EDITION).

v. 16, p. 750-754, 1971

NTC 73-10811-201

Gabovich, M. D.

Neutralizations of ion beam space charge by injected electrons.

UKRAINSKII FIZICHNII ZHURNAL (UKRAINIAN EDITION)

v. 16, p. 809-813, 1971

NTC 73-10810-201

Danilekii, Y. P.

On Ionization Recombination Oscillations

UKRAINSKI FIZICHESKI ZHURNAL (UKRAINIAN EDITION), v. 13,

1972, pp. 1554-1556

NTC 78-12688-20H

NTIS N78-27750

Permyakov, V. H.

Structural changes during the nitriding
of steel 4Kh13.

UKRAINSKII FIZICHNII ZHURNAL (UKRAINIAN
EDITION), v. 16, p. 2073-2075, 1971

NTC as 73-10444-11F

may 73

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.
Vol. 16, No. 4, 1971.
C/C/ *NTIS TT 72-52017/04
*AEC-tr-7297/4
UC-34

may 73

Gribnikov, Z. S.

An Isotropic Redistribution of Current Carriers Near
a Charge Semiconductor Surface 19 pp

Ukrainskiy Fizicheskiy Zhurnal, Vol. 16, No. 5 (1971)
pp 773-782

ACSI-K-2203

FSTC-HT-23-1635-72

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.

Vol. 16, No. 5, 1971

C/C *NTIS TT-72-52017/05

*AEC-tr-7297/5

UC-34

may 73

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.

Vol. 16, No. 6, 1971.

C/C *NTIS-TT-72-52017/06

*AEC-tr-7297/6

UC-34

may 73

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.
Vol 16, No. 7, 1971.
C/C *NTIS TT 72-52017/07
*AEC-tr-7297/7
UC-34

may 73

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.
Vol. 16, No. 8, 1971.
C/C *NTIS TT 72-52017/08
*AEC-tr-7297/8
UC-34

may 73

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.

Vol. 16, No. 9, 1971.

C/C *NTIS TT 72-52017/09

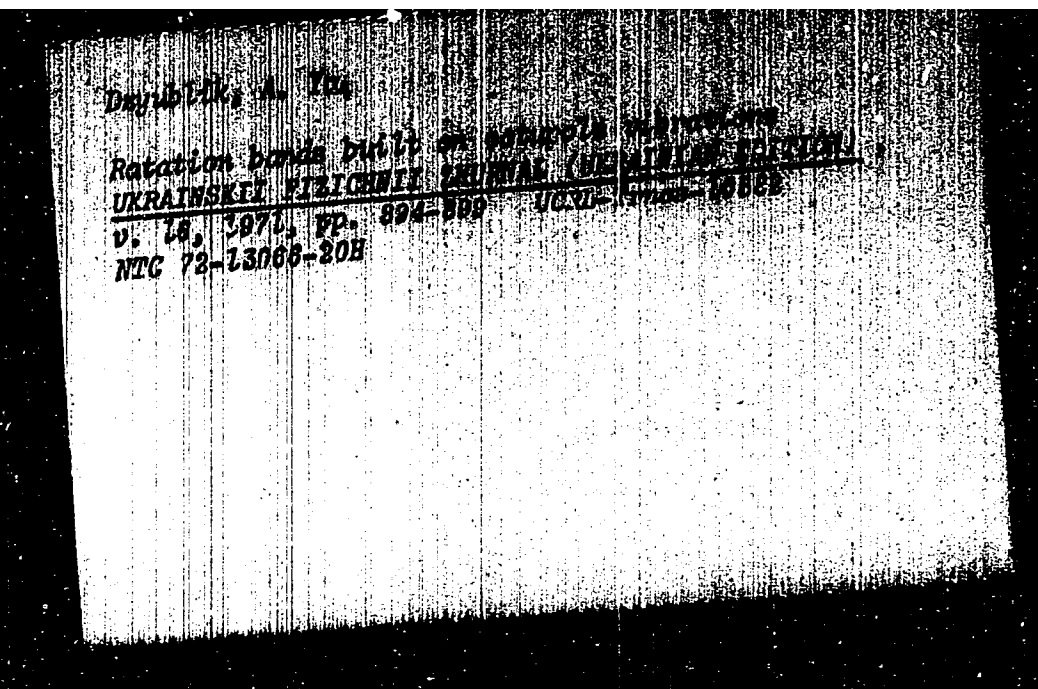
*AEC-tr-7297/9

UC-34

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.

Vol. 16, No. 10, 1971.
C/C *NTIS TT 72-52017/10
*AEC-tr-7297/10
UC-34

may 73



SPECIFIC ELECTRICAL RESISTANCE, THERMO-EMF, AND HALL EFFECT OF IRON-COBALT AND

SIDORENKO, F. A LANGUAGE-RU COUNTRY-UR

complete 5 pp

UKRAIN. FIZICH. ZHURNAL, VOL 16 #11 (NOV.) 1971, PP 1911-1913, KIEV

FSTC-HT-23-1633-73

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.

Vol. 16, No. 11, 1971.

C/C *NTIS TT 72-52017/11

*AEC-tr-7297/11

UC-34

may 73

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.

Vol. 16, No. 12, 1971.

C/C *NTIS TT 72-52017/12

*AEC-tr-7297/12

UC-34

may 73

Ukrainskii Fizicheskii zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.

Vol. 17, No. 1, 1972.

C/C -*AEC-tr-7411/1

*NTIS tt 74-52000/01

UC-34

May 73

Tikhonov, B. A.

Second harmonic generation of a ruby laser by
crystalline powders of organic compounds

UKRAINSK I-FIZICHNII ZHURNAL (UKRAINIAN EDITION)

v. 17, 1972, pp. 190-208

NTC 72-16271-20E

Ukrainskii Fizicheskii zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.
Vol. 17, No. 2, 1972.
C/C *NTIS TT 74-52000/02
*AEC-tr-7411/2
UC-34

may 73

MECHANISM OF THE OXIDE CATHODE EMISSION CAPAC
ITY CHANGES WITH CURRENT TAKE OFF

PIKUS, G.

LANGUAGE--RU COUNTRY--UR

UKRI FIZ. ZH. 17(3) 1972 PP 472-6

FSTC-HT-23-1440-73

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.

Vol. 17, No. 3, 1972.

C/C *NTIS TT 74-52000/03

*AEC-tr-7411/3

UC-34

may 73

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.

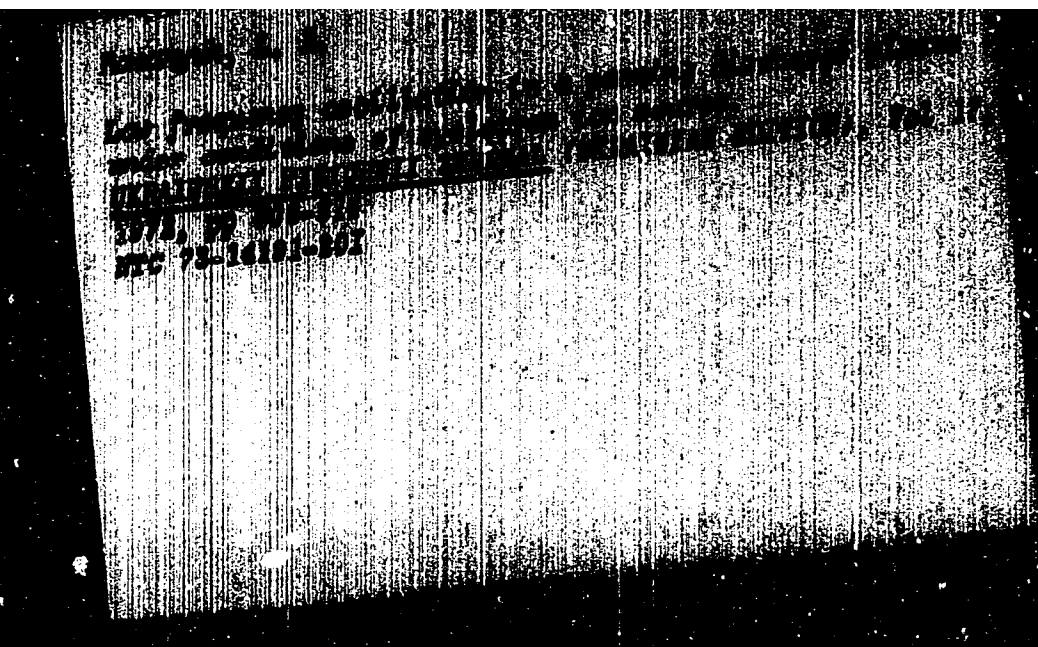
Vol. 17, No. 4, 1972.

C/C *NTIS TT 74-52000/04

*AEC-tr-7411/4

UC-34

may 73



L. I. Romanyuk

*Low frequency oscillation in a penning discharge
plasma under conditions of cyclotron ion source.*

13 pp.

UKR. FIZ. ZH. (KIEV), Vol 17, No 5, 1972, pp 818-824

NASA TT F 14,649

apr 73

Polymers, O. I.

Surface space-charge effect on electrical properties of
polymer of calcium acetate (1-1991)

UDSSR PHYSICAL JOURNAL (RUSSIAN EDITION), Vol 17,
1972, pp 535-539

NTC 72-15771-30L

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fizika.
Vol. 17, No. 5, 1972.
C/C *NTIS TT 74-52000/05
*AEC-tr-7411/5
UC-34

MAY 93

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fizika.

vol. 17, No. 6, 1972.

C/C *NTIS TT 74-52000/06

*AEC-tr-7411/6

UC-34

MAY 77

PASHCHEN, E. A.
//UKRAINE FIZICHESKI ZHURNAL (UKRAINE EDITION)
--/1972, V0017, R0005,
Phenomenological Models of Electron-Phonon
Interaction and the Criterion of Metal Superconductivi-
ty,
pp 889-902, NTC 74-11310-20100

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki, 1972.
Vol. 17, No. 7, 1972.

C/C *NTIS TT 74-52000/07

*4EC-tr-7411/7

UC-34

may 73

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.
Vol. 17, No. 8, 1972.

C/C *NTIS-TT-74-52000/08

*AEC-tr-7411/8

UC-34

may 73

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.
Vol. 17, No. 9, 1972.
C/C *NTIS-TT-74-52000/09
*AEC-tr-7411/9
UC-34

MAY 73

Mashkevich, V S.

Theory of cross-relaxation due to resonant transfer of excitation in a spectrally inhomogeneous medium.

UKRAINIAN, per Ukrainskii Fizichnii Zhurnal., Vol. 17, No. 10, pp. 1658-1665, 1972.

CLB-3 T-658

Zevin, V. Ya.

Part II. Role of cross-relaxation transitions
in ENDOR dynamics with inhomogeneous broaden-
ing of EPR lines.

UKRAINIAN, per Ukrainskii Fizichnii Zhurnal,
Vol. 17, No. 10, pp. 1666-1689, 1972.

APL CLB-3 T-659

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.

Vol. 17, No. 10, 1972.

C/C *NTIS TT 74-52000/10

*AEC-tr-7411/10

UC-34

may 73

GENERATION SPECTRA OF RUBY LASER WITH FREQUEN
CY SCANNING *complete 11 pp*

ZHUPAN, YU ETAL LANGUAGE-RU COUNTRY-UR

UKRAIN. FIZICH. ZHURNAL, VOL 17 #11 (NOV) 197
2, PP 1803-08.

ARN
FSTC-HT-23-1745-73

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.
Vol. 17, No. 11, 1972.

C/C *NTIS TT 74-52000/11
*AEC-tr-7411/11
UC-34

may 73

Ukrainskii Fizicheskii Zhurnal. Akademiya
Nauk Ukrainskoi SSR - Otdelenie Fiziki.
Vol. 17, No. 12, 1972.
C/C *NTIS-TT 74-52000/12
*AEC-tr-7411/12
UC-34

Romanyuk, L. I.

*Rotation of the ion component of a hot-cathode Penning
discharge plasma.*

UKRAINSKIY FIZICHESKIY ZHURNAL, Vol 17, No 12, Dec 1972,

pp 2004-2010

NASA TT F 14,931

Zykov, V. G.

Investigation of plasma drift and equilibrium in
toroidal magnetic field with divertor

UKRAINSKI FIZICHESKI ZHURNAL (UKRAINIAN EDITION)

v. 16, n. 2, 1971, pp. 303-308

NTC 73-13176-201

NTIS N72-13682

Kochelap, V. O.

Use of molecular electron-vibrational phototransitions
in lasers with thermal pumping

UKRAINSKII FIZICHNII ZHURNAL (UKRAINIAN EDITION),

v. 16, n. 3, 1971, pp. 394-400

NTC 73-13178-20E

NTIS N72-19572

Dolgoplov, V. V.

Stability of a plasma rotating in crossed electric and magnetic fields.

UKRAINSKIY FIZICHESKIY ZHURNAL. (USSR), Vol 18, No 1,
January 1973, pp 18-28

NASA TT F-15,021

7-Mar-74

Uncl (BNL-tr--548) Contribution of direct interactions to the cross sections for neutron scattering by Mg, Ti, Cr, ^{50}Ni , ^{60}Ni , and ^{62}Ni nuclei. SOKOLOV, L.S.; FEDOROV, M.B.; KORBETSKII, E.V.; SUROVITSKAYA, N.T.; YAKOVENKO, T.I. Translated by S. J. Amoretty from Fiz. Zh. (Russ. Ed.); 18: No. 2, 263-266(1973). Dep. NTIS \$3.00.

20H physics (nuclear); translations
MN-34c P NSA

revision

KUCHEN, V. A.
//UKRAINSKYI FIZIKOSHEMICHESKIY JURNAL//
--/--/1978, V. 20, No. 6,
Kinetics of high-pressure chemical lasers, 16 pp.
pp 878-889, AIR/FTD-RI-78-000-7499